Author Index

ADLER, W.H. *see* CHOPRA, R.K.
ALAM, A. *see* CANTAGREL, A.
ALARCÓN-RIQUELME, M.E., MÖLLER, G. & FERNÁNDEZ, C. Macrophage depletion decreases IgG anti-DNA in cultures from (NZB × NZW)F1 spleen cells by eliminating the main source of IL-6, 220
ALLEN, P.D., JOHNSTON, D.H., MACEY, M.G., WILLIAMS, N.S. & NEWLAND, A.C. Modulation of CD4 by suramin, 141
ALLEN, S.J. *see* RILEY, E.M.
ANAND, I.S. *see* MORRIS, K.
ANDERSSON, R. *see* SCHAUFELBERGER, C.
ANSARI, A.A. *see* POWELL, J.D.
ARAKAWA, M. *see* TAKASHIMA, N.
ARREAZA, G. *see* RESETOKOVA, E.
ATKINS, R.C. *see* KAKIZAKI, Y.
ATKINS, R.C. *see* MCDONALD, C.F.
AUCOUTURIER, P. *see* ROCCA, A.
AVRAMEAS, S. *see* BARBOUCHE, M.R.
AYED, K. *see* BARBOUCHE, M.R.
AYEHUNIE, S., SONNERBORG, A., YEMANE-BERHAN, T., ZEWDIE, D.W., BRITTON, S. & STRANNEGARD, O. Raised levels of tumour necrosis factor-alpha and neopterin, but not interferon-alpha, in serum of HIV-1-infected patients from Ethiopia, 37

BAELDE, J.J. *see* TREURNIET, R.A.
BAHN, R.S. *see* HEUFELDER, A.E.
BANGA, J.P. *see* MACHT, L.M.
BARBACANE, R.C. *see* CONTI, P.
BARBOUCHE, M.R., GUILBERT, B., MAKNI, S., GORGI, Y., AYED, K. & AVRAMEAS, S. Common idiotypes expressed on human, monoclonal, abnormal immunoglobulins and cryoglobulins with polyreactive autoantibody activities, 196
BARCELLINI, W. *see* NICOLETTI, F.
BECKER, J.C., SCHWINN, A., DUMMER, R., BURG, G. & BRÖCKER, E.-B. Tumour-infiltrating lymphocytes in primary melanoma: functional consequences of differential IL-2 receptor expression, 121
BEDNARIK, D.P. *see* POWELL, J.D.
BEGARA, I. *see* LUJÁN, L.
BENGTSSON, A. *see* MOLLNES, T.E.
BERGIJK, E.C. *see* TREURNIET, R.A.
BERMUDEZ, L.E. Differential mechanisms of intracellular killing of *Mycobacterium avium* and *Listeria monocytogenes* by activated human and murine macrophages. The role of nitric oxide, 277
BERNSTEIN, K., BOLSHOUN, D., GILKESON, G., MUNNS, T. & LEFKOWITH, J.B. Detection of glomerular-binding immune elements in murine lupus using a tissue-based ELISA, 449
BESSLER, H., SIROTA, L., NOTTI, I., DULITZKY, F. & DJALDETTI, M. Il-1β and Il-3-like activity in preterm infants, 320
BEYNON, H.L.C., HASKARD, D.O., DAVIES, K.A., HAROUTUNIAN, R. & WALPORT, M.J. Combinations of low concentrations of cytokines and acute agonists synergize in increasing the permeability of endothelial monolayers, 314
BLOOM, B.R. *see* CÁCERES-DITTMAR, G.
BOLSHOUN, D. *see* BERNSTEIN, K.
BONGRAZIO, M. *see* CONTI, P.
BORGHI, M.O. *see* NICOLETTI, F.
BOTTAZZO, G.F. *see* NAVARRETE, C.
BOUNTIFF, L. *see* SA'ADU, A.
BRAGLIANI, M. *see* MANTOVANI, V.
BRAUN, J. *see* SIEPER, J.
BRAY, D.H., SQUIRE, S.B., KAWANA, A., JOHNSON, M.A. & POULTER, L.W. Antiretroviral treatment reverses HIV-induced reduction in the expression of surface antigens on alveolar macrophages in AIDS patients, 13
BREATHNACH, S.M. The skin immune system and psoriasis, 343
BRESNIHAN, B. *see* KEOGAN, M.T.
BRIGHT, R.K. *see* SHEARER, M.H.
BRITTON, S. *see* AYEHUNIE, S.
BRÖCKER, E.-B. *see* BECKER, J.C.
BROWN, D.L. *see* KEOGAN, M.T.
BRUIJN, J.A. *see* TREURNIET, R.A.
BRUNO, G. *see* NICOLETTI, F.
BUCKLEY, C., IVISON, C., POULTER, L.W. & RUSTIN, M.H.A. CD23/FcεR11 expression in contact sensitivity reactions: a comparison between aeroallergen patch test reactions in atopic dermatitis and the nickel patch test reaction in non-atopic individuals, 357
BURG, G. *see* BECKER, J.C.
BURMESTER, G.R. *see* HORNEFF, G.

CÁCERES-DITTMAR, G., TAPIA, F.J., SÁNCHEZ, M.A., YAMAMURA, M., UYEMURA, K., MODLIN, R.L., BLOOM, B.R. & CONVIT, J. Determination of the cytokine profile in American cutaneous leishmaniasis using the polymerase chain reaction, 500
CALLAGHAN, M. *see* KEOGAN, M.T.
CAMERON, J.S. *see* CHAN, T.M.
CANTAGREL, A., ALAM, A., COPPIN, H.L., MAZIERES, B. & DE PREVAL, C. Clonality of T lymphocytes expanded with IL-2 from rheumatoid arthritis peripheral blood, synovial fluid and synovial membrane, 83
CARAYON, P. *see* RESETKOVA, E.
CARRIERI, G. *see* TAMURA, K.
CAYOTA, A., VUILLIER, F., SCOTT-ALGARA, D., FEUILLIE, V. & DIGHIERO, G. Differential requirements for HIV-1 replication in naive and memory CD4 T cells from asymptomatic HIV-1 seropositive carriers and AIDS patients, 241
CHAN, T.M., FRAMPTON, G. & CAMERON, J.S. Identification of DNA-binding proteins on human umbilical vein endothelial cell plasma membrane, 110
CHATURVEDI, P. *see* MUKHERJEE, R.
CHATURVEDI, U.C. *see* MUKHERJEE, R.
CHAU, F., LEVACHER-CLERGEOT, M., DESFORGES, B., RICATTE, L. & SINET, M. Prognostic value of phenotypic alterations in blood lymphocyte subsets in a murine retrovirus-induced immunodeficiency syndrome (MAIDS), 467
CHOPRA, R.K., RAJ, N.B.K., SCALLY, J.P., DONNENBERG, A.D., ADLER, W.H., SAAH, A.J. & MARGOLICK, J.B. Relationship between IL-2 receptor expression and proliferative responses in lymphocytes from HIV-1 seropositive homosexual men, 18
CHOUGNET, C. *see* FIEVET, N.
COGNÉ, M. *see* ROCCA, A.
COLLIE, D.D.S. *see* LUJÁN, L.
CONTI, P., PANARA, M.R., BARBACANE, R.C., BONGRAZIO, M., DEMPSEY, R.A. & REALE, M. Human recombinant IL-1 receptor antagonist (IL-1Ra) inhibits leukotriene B4 generation from human monocyte suspensions stimulated by lipopolysaccharide (LPS), 526
CONVIT, J. *see* CÁCERES-DITTMAR, G.
COOPER, A. *see* LEE, M.L.
COPPIN, H.L. *see* CANTAGREL, A.
CORAZZA, G.R. *see* MANTOVANI, V.
CORRALL, R.J. *see* MACHT, L.M.
COSTA, C.T.K.A. DA, KHANOLKAR-YOUNG, S., ELLIOTT, A.M., WASUNNA, K.M.A. & MCADAM, K.P.W.J. Immunoglobulin G subclass responses to mycobacterial lipoarabinomannan in HIV-infected and non-infected patients with tuberculosis, 25
COTTLER-FOX, M. *see* KARHUMÄKI, E.
CSERNOK, E. *see* GROSS, W.L.
CZERKINSKY, C. *see* QUIDING, M.

DANIEL, V. *see* WEIMER, R.
DATTI, A. *see* SIMON, H.-U.

Davies, K.A. *see* Beynon, H.L.C.
Davies, R. *see* McIntosh, R.S.
De Groot, C. *see* Lindhout, E.
De Heer, E. *see* Treurniet, R.A.
De Preval, C. *see* Cantagrel, A.
Deloron, P. *see* Fievet, N.
Demetriou, M. *see* Simon, H.-U.
Dempsey, R.A. *see* Conti, P.
Dennis, J.W. *see* Simon, H.-U.
Denoroy, L. *see* Rocca, A.
Desforges, B. *see* Chau, F.
Dighiero, G. *see* Cayota, A.
Djaldetti, M. *see* Bessler, H.
Doehn, C. *see* Steffen, M.
Doğan, A., MacDonald, T.T. & Spencer, J. Ontogeny and induction of adhesion molecule expression in human fetal intestine, 532
Donnenberg, A.D. *see* Chopra, R.K.
D'Souza, S. & Ivanyi, J. Antigen-dependent *in vitro* culture of protective T cells from BCG-primed mice, 68
Dubois, B. *see* Fievet, N.
Dulitzky, F. *see* Bessler, H.
Dummer, R. *see* Becker, J.C.

Echtenacher, B. *see* Gatti, S.
Elliott, A.M. *see* Costa, C.T.K.A. Da
Elson, C.J. *see* Macht, L.M.
Emmrich, F. *see* Horneff, G.

Facer, C.A. *see* Orago, A.S.S.
Faggioni, R. *see* Gatti, S.
Fain, C. *see* Nicoletti, F.
Feighery, C. *see* Keogan, M.T.
Fernández, C. *see* Alarcón-Riquelme, M.E.
Ferrua, B. *see* Quiding, M.
Feuillie, V. *see* Cayota, A.
Fievet, N., Chougnet, C., Dubois, B. & Deloron, P. Quantification of antibody-secreting lymphocytes that react with Pf155/RESA from *Plasmodium falciparum:* an ELISPOT assay for field studies, 63
Finn, J.E. & Mathieson, P.W. Molecular analysis of C3 allotypes in patients with nephritic factor, 410
Fitzgerald, M.X. *see* Keogan, M.T.
Folks, T.M. *see* Powell, J.D.
Fox, C.H. *see* Karhumäki, E.
Frampton, G. *see* Chan, T.M.
Friedland, J.S., Shattock, R., Remick, D.G. & Griffin, G.E. Mycobacterial 65-kD heat shock protein induces release of proinflammatory cytokines from human monocytic cells, 58
Friedland, J.S., Shattock, R.J., Johnson, J.D., Remick, D.G., Holliman, R.E. & Griffin, G.E. Differential cytokine gene expression and secretion after phagocytosis by a human monocytic cell line of *Toxoplasma gondii* compared with *Mycobacterium tuberculosis*, 282
Friedmann, P.S., Strickland, I., Memon, A.A. & Johnson, P.M. Early time course of recruitment of immune surveillance in human skin after chemical provocation, 351
Frisoni, M. *see* Mantovani, V.
Førre, O. *see* Kjeldsen-Kragh, J.
Furusawa, S. *see* Ohsaka, A.

Ganguly, N.K. *see* Morris, K.
Garlepp, M.J. *see* Kelly, H.
Garred, P. *see* Mollnes, T.E.
Gasbarrini, G. *see* Mantovani, V.
Gatti, S., Faggioni, R., Echtenacher, B. & Ghezzi, P. Role of tumour necrosis factor and reactive oxygen intermediates in lipopolysaccharide-induced pulmonary oedema and lethality, 456
Gaudin, O.G. *see* Quesnel, A.
Geffner, J.R., Trevani, A.S., Minnucci, F., Palermo, M.S., Maugeri, N. & Isturiz, M.A. Extracellular acidic pH modulates oxygen-dependent cytotoxic responses mediated by polymorphonuclear leucocytes and monocytes, 164
Genin, C. *see* Quesnel, A.
Gershon, H. *see* Shapiro, S.
Ghezzi, P. *see* Gatti, S.
Gilkeson, G. *see* Bernstein, K.
Goldstein, R. *see* Karsh, J.
Gorgi, Y. *see* Barbouche, M.R.
Götze, O. *see* Mollnes, T.E.
Granström, G. *see* Quiding, M.
Grasso, S. *see* Nicoletti, F.
Grattard, F. *see* Quesnel, A.
Greenwood, B.M. *see* Riley, E.M.
Griffin, G.E. *see* Friedland, J.S.
Groscurth, P. *see* Keller, R.
Gross, W.L., Schmitt, W.H. & Csernok, E. ANCA and associated diseases: immunodiagnostic and pathogenetic aspects, 1
Guilbert, B. *see* Barbouche, M.R.

Hansson, G.K. *see* Schaufelberger, C.
Harley, J.B. *see* Karsh, J.
Haroutunian, R. *see* Beynon, H.L.C.
Haskard, D.O. *see* Beynon, H.L.C.
Hausmann, R., Zavazava, N., Steinmann, J. & Müller-Ruchholtz, W. Interaction of papain-digested HLA class I molecules with human alloreactive cytotoxic T lymphocytes (CTL), 183
Heufelder, A.E. & Bahn, R.S. Elevated expression *in situ* of selectin and immunoglobulin superfamily type adhesion molecules in retroocular connective tissues from patients with Graves' ophthalmopathy, 381
Higgins, E.A. *see* Simon, H.-U.
Hishida, A. *see* Yamamoto, T.
Hoedemaeker, Ph.J. *see* Treurniet, R.A.
Høgåsen, K. *see* Mollnes, T.E.
Holliman, R.E. *see* Friedland, J.S.
Holmgren, J. *see* Quiding, M.
Honda, N. *see* Yamamoto, T.
Horneff, G., Sack, U., Kalden, J.R., Emmrich, F. & Burmester, G.R. Reduction of monocyte-macrophage activation markers upon anti-CD4 treatment. Decreased levels of IL-1, IL-6, neopterin and soluble CD14 in patients with rheumatoid arthritis, 207
Hsu, H.S. *see* Xu, H.R.
Hughes, R.A. *see* Maclean, I.L.
Huitema, M.G. *see* Stegeman, C.A.
Hutchinson, P. *see* Mcdonald, C.F.

Iqball, S. *see* Maclean, I.L.
Isacovics, B. *see* Silverman, E.D.
Isoda, K. *see* Kitamura, A.
Isturiz, M.A. *see* Geffner, J.R.
Ito, I. *see* Kurasawa, K.
Ivanyi, J. *see* D'Souza, S.
Ivison, C. *see* Buckley, C.

Jefferis, R. Idiotypy and idiotypic networks: a time to redefine concepts, 193
Jehuda-Cohen, T. *see* Powell, J.D.
Johnson, J.D. *see* Friedland, J.S.
Johnson, M.A. *see* Bray, D.H.
Johnson, P.M. *see* Friedmann, P.S.
Johnston, D.H. *see* Allen, P.D.
Joller, P. *see* Keller, R.
Jones, B.M. *see* Lau, Y.L.
Jones, M. *see* Lee, M.L.

Kakizaki, Y., Kraft, N. & Atkins, R.C. Interferon-gamma stimulates the secretion of IL-1, but not of IL-6, by glomerular mesangial cells, 521
Kalden, J.R. *see* Horneff, G.
Kallenberg, C.G.M. *see* Stegeman, C.A.
Kaniuk, A. Stc. *see* Lortan, J.E.
Karhumäki, E., Viljanen, M.E., Cottler-Fox, M., Ranki, A., Fox, C.H. & Krohn, K.J.E. An improved enrichment method for functionally competent, highly purified peripheral blood dendritic cells and its application to HIV-infected blood samples, 482
Karsh, J., Harley, J.B., Goldstein, R. & Lazarovits, A.I. Ro/SSA inhibits the autologous mixed lymphocyte reaction, 103
Kawachi, H. *see* Sato, T.

KAWACHI, H. *see* TAKASHIMA, N.
KAWANA, A. *see* BRAY, D.H.
KEAT, A.C.S. *see* MACLEAN, I.L.
KEIST, R. *see* KELLER, R.
KELLER, R., KEIST, R., JOLLER, P. & GROSCURTH, P. Mononuclear phagocytes from human bone marrow progenitor cells; morphology, surface phenotype, and functional properties of resting and activated cells, 176
KELLY, H. & GARLEPP, M.J. T cell receptor haplotypes in families of patients with insulin-dependent diabetes mellitus, 226
KENNEDY, R.C. *see* SHEARER, M.H.
KEOGAN, M.T., CALLAGHAN, M., YANNI, G., MULHERIN, D., FEIGHERY, C., BROWN, D.L., FITZGERALD, M.X. & BRESNIHAN, B. Spontaneous *in vitro* production of rheumatoid factor during infectious exacerbations of cystic fibrosis: correlation with circulating immune complex levels, 462
KHAMLICHI, A.A. *see* ROCCA, A.
KHANOLKAR-YOUNG, S. *see* COSTA, C.T.K.A. DA
KIM, H. *see* RESETKOVA, E.
KIMPEN, J.L.L. & OGRA, P.L. T cell redistribution kinetics after secondary infection of BALB/c mice with respiratory syncytial virus, 78
KINGSLEY, G. *see* SIEPER, J.
KINGSLEY, G.H. *see* MACLEAN, I.L.
KITA, M. *see* LEE, C.J.
KITAGAWA, S. *see* OHSAKA, A.
KITAMURA, A., KITAMURA, M., NAGASAWA, R., MARUYAMA, N., MITARAI, T., TAKAHASHI, T. & ISODA, K. Renal fibroblasts are sensitive to growth-repressing and matrix-reducing factors from activated lymphocytes, 516
KITAMURA, M. *see* KITAMURA, A.
KJELDSEN-KRAGH, J., QUAYLE, A.J., VINJE, O., NATVIG, J.B. & FØRRE, O. A high proportion of the Vδ1$^+$ synovial fluid γδ T cells in juvenile rheumatoid arthritis patients express the very early activation marker CD69, but carry the high molecular weight isoform of the leucocyte common antigen (CD45RA), 202
KNIGHT, S.C. *see* MACLEAN, I.L.
KOIKE, T. *see* KURASAWA, K.
KRAFT, N. *see* KAKIZAKI, Y.
KROHN, K.J.E. *see* KARHUMÄKI, E.
KURASAWA, K., SAKAMOTO, A., MAEDA, T., SUMIDA, T., ITO, I., TOMIOKA, H., YOSHIDA, S. & KOIKE, T. Short-term administration of anti-L3T4 MoAb prevents diabetes in NOD mice, 376
KWEKKEBOOM, J. *see* LINDHOUT, E.

LANFORD, R.E. *see* SHEARER, M.H.
LAU, Y.L., JONES, B.M., NG, K.W. & YEUNG, C.Y. Percentile ranges for serum IgG subclass concentrations in healthy Chinese children, 337
LAXER, R.M. *see* SILVERMAN, E.D.
LAZAROVITS, A.I. *see* KARSH, J.
LEA, T. *see* MOLLNES, T.E.
LEE, C.J., YOSHIMURA, N., SHIHO, O., KITA, M. & OKA, T. Local immunosuppressive therapy with monoclonal anti-T cell antibody on renal allograft survival in the rat, 362
LEE, M.L., TO, S.S.T., COOPER, A., JONES, M. & SCHRIEBER, L. Augmented lymphocyte binding to cultured endothelium in psoriasis, 346
LEFKOWITH, J.B. *see* BERNSTEIN, K.
LEVACHER-CLERGEOT, M. *see* CHAU, F.
LINDHOUT, E., MEVISSEN, M.L.C.M., KWEKKEBOOM, J., TAGER, J.M. & DE GROOT, C. Direct evidence that human follicular dendritic cells (FDC) rescue germinal centre B cells from death by apoptosis, 330
LIU, Y.J. *see* YAMASHITA, W.
LORTAN, J.E., KANIUK, A. STC. & MONTEIL, M.A. Relationship of *in vitro* phagocytosis of serotype 14 *Streptococcus pneumoniae* to specific class and IgG subclass antibody levels in healthy adults, 54
LUCHT, F.R. *see* QUESNEL, A.
LUJÁN, L., BEGARA, I., COLLIE, D.D.S. & WATT, N.J. Phenotypic analysis of cells in bronchoalveolar lavage fluid and peripheral blood of maedi visna-infected sheep, 272

MACDONALD, T.T. *see* DOĞAN, A.
MACEY, M.G. *see* ALLEN, P.D.
MACHT, L.M., CORRALL, R.J., BANGA, J.P. & ELSON, C.J. Control of human thyroid autoantibody production in SCID mice, 390
MACLEAN, I.L., IQBALL, S., WOO, P., KEAT, A.C.S., HUGHES, R.A., KINGSLEY, G.H. & KNIGHT, S.C. HLA-B27 subtypes in the spondarthropathies, 214
MAEDA, T. *see* KURASAWA, K.
MAGNIUS, L.O. *see* SÄLLBERG, M.
MAGRO, G. *see* NICOLETTI, F.
MAKNI, S. *see* BARBOUCHE, M.R.
MANTOVANI, V., CORAZZA, G.R., BRAGLIANI, M., FRISONI, M., ZANIBONI, M.G. & GASBARRINI, G. Asp57-negative HLA DQβ chain and DQA1*0501 allele are essential for the onset of DQw2-positive and DQw2-negative coeliac disease, 153
MARCO, R. DI *see* NICOLETTI, F.
MARGOLICK, J.B. *see* CHOPRA, R.K.
MARUYAMA, N. *see* KITAMURA, A.
MATHIESON, P.W. *see* FINN, J.E.
MAUGERI, N. *see* GEFFNER, J.R.
MAZIERES, B. *see* CANTAGREL, A.
MCADAM, K.P.W.J. *see* COSTA, C.T.K.A. DA
MCDONALD, C.F., HUTCHINSON, P. & ATKINS, R.C. Delineation of pulmonary alveolar macrophage subpopulations by flow cytometry in normal subjects and in patients with lung cancer, 126
MCINTOSH, R.S., WATSON, P.F., PICKERILL, A.P., DAVIES, R. & WEETMAN, A.P. No restriction of intrathyroidal T cell receptor Vα families in the thyroid of Graves' disease, 147
MEMON, A.A. *see* FRIEDMANN, P.S.
MENTA, R. *see* NICOLETTI, F.
MERONI, P.L. *see* NICOLETTI, F.
MEVISSEN, M.L.C.M. *see* LINDHOUT, E.
MINNUCCI, F. *see* GEFFNER, J.R.
MITARAI, T. *see* KITAMURA, A.
MIURA, Y. *see* OHSAKA, A.
MODLIN, R.L. *see* CÁCERES-DITTMAR, G.
MOHAN, C. *see* MORRIS, K.
MOJA, P. *see* QUESNEL, A.
MÖLLER, G. *see* ALARCÓN-RIQUELME, M.E.
MOLLNES, T.E., REDL, H., HØGÅSEN, K., BENGTSSON, A., GARRED, P., SPEILBERG, L., LEA, T., OPPERMANN, M., GÖTZE, O. & SCHLAG, G. Complement activation in septic baboons detected by neoepitope-specific assays for C3b/iC3b/C3c, C5a and the terminal C5b-9 complement complex (TCC), 295
MONCURE, C.W. *see* XU, H.R.
MONTEIL, M.A. *see* LORTAN, J.E.
MORIOKA, T. *see* SATO, T.
MORITA, T. *see* RESETKOVA, E.
MORRIS, K., MOHAN, C., WAHI, P.L., ANAND, I.S. & GANGULY, N.K. Enhancement of IL-1, IL-2 production and IL-2 receptor generation in patients with acute rheumatic fever and active rheumatic heart disease; a prospective study, 429
MOTOYOSHI, K. *see* OHSAKA, A.
MOUTSOPOULOS, H.M. *see* ROUTSIAS, J.G.
MUKHERJEE, R., CHATURVEDI, P. & CHATURVEDI, U.C. Identification and purification of a receptor on macrophages for the dengue virus-induced suppressor cytokine, 257
MULHERIN, D. *see* KEOGAN, M.T.
MÜLLER-RUCHHOLTZ, W. *see* HAUSMANN, R.
MUNNS, T. *see* BERNSTEIN, K.
MURASE, N. *see* TAMURA, K.

NAGASAWA, R. *see* KITAMURA, A.
NAGASE, M. *see* YAMAMOTO, T.
NALESNIK, M.A. *see* TAMURA, K.
NATVIG, J.B. *see* KJELDSEN-KRAGH, J.
NAVARRETE, C. & BOTTAZZO, G.F. In search of TCR restriction in autoreactive T cell in human autoimmunity: why is it so elusive?, 189
NEWLAND, A.C. *see* ALLEN, P.D.
NG, K.W. *see* LAU, Y.L.
NICOLETTI, F., BORGHI, M.O., MERONI, P.L., BARCELLINI, W., FAIN, C., MARCO, R. DI, MENTA, R., SCHORLEMMER, H.U., BRUNO, G., MAGRO, G. & GRASSO, S. Prevention of cyclophosphamide-induced diabetes in the NOD/WEHI mouse with deoxyspergualin, 232
NILSSON, B. *see* PEKNA, M.
NILSSON, L. *see* PEKNA, M.

NILSSON, U.R. *see* PEKNA, M.
NILSSON-EKDAHL, K. *see* PEKNA, M.
NISHI, S. *see* TAKASHIMA, N.
NOËL, L.-H. *see* ROCCA, A.
NORDSTRÖM, I. *see* QUIDING, M.
NOTTI, I. *see* BESSLER, H.

OGRA, P.L. *see* KIMPEN, J.L.L.
OHSAKA, A., KITAGAWA, S., YUO, A., MOTOYOSHI, K., FURUSAWA, S., MIURA, Y., TAKAKU, F. & SAITO, M. Effects of granulocyte colony-stimulating factor and granulocyte-macrophage colony-stimulating factor on respiratory burst activity of neutrophils in patients with myelodysplastic syndromes, 308
OITE, T. *see* SAITO, K.
OITE, T. *see* SATO, T.
OITE, T. *see* TAKASHIMA, N.
OKA, T. *see* LEE, C.J.
OOI, B.S. *see* YAMASHITA, W.
OPELZ, G. *see* WEIMER, R.
OPPERMANN, M. *see* MOLLNES, T.E.
ORAGO, A.S.S. & FACER, C.A. Cytokine-induced inhibition of *Plasmodium falciparum* erythrocytic growth *in vitro*, 287

PALERMO, M.S. *see* GEFFNER, J.R.
PANARA, M.R. *see* CONTI, P.
PEKNA, M., NILSSON, L., NILSSON-EKDAHL, K., NILSSON, U.R. & NILSSON, B. Evidence for iC3 generation during cardiopulmonary bypass as the result of blood–gas interaction, 404
PETERSEN, J. *see* STEFFEN, M.
PETSCHE, D. *see* SILVERMAN, E.D.
PFLÜGER, I. *see* STEFFEN, M.
PICKERILL, A.P. *see* MCINTOSH, R.S.
PILAR, T. *see* SHAPIRO, S.
POULTER, L.W. *see* BRAY, D.H.
POULTER, L.W. *see* BUCKLEY, C.
POWELL, J.D., BEDNARIK, D.P., FOLKS, T.M., JEHUDA-COHEN, T., VILLINGER, F., SELL, K.W. & ANSARI, A.A. Inhibition of cellular activation of retroviral replication by $CD8^+$ T cells derived from non-human primates, 473
POZZETTO, B. *see* QUESNEL, A.
PREUD'HOMME, J.-L. *see* ROCCA, A.

QUAYLE, A.J. *see* KJELDSEN-KRAGH, J.
QUESNEL, A., POZZETTO, B., MOJA, P., GRATTARD, F., LUCHT, F.R., TOURAINE, J.L., GAUDIN, O.G. & GENIN, C. Prognostic value of serum immunoglobulin A antibodies to *pol* gene products during HIV-1 infection, 237
QUIDING, M., GRANSTRÖM, G., NORDSTRÖM, I., FERRUA, B., HOLMGREN, J. & CZERKINSKY, C. High frequency of spontaneous interferon-gamma-producing cells in human tonsils: role of local accessory cells and soluble factors, 157

RAEDLER, A. *see* STEFFEN, M.
RAJ, N.B.K. *see* CHOPRA, R.K.
RANKI, A. *see* KARHUMÄKI, E.
REALE, M. *see* CONTI, P.
REDL, H. *see* MOLLNES, T.E.
REINECKER, H.C. *see* STEFFEN, M.
REMICK, D.G. *see* FRIEDLAND, J.S.
RESETKOVA, E., ARREAZA, G., YOSHIKAWA, N., MORITA, T., KIM, H., CARAYON, P. & VOLPÉ, R. Study of induction of activation of human peripheral blood mononuclear cells with a non-activating form of anti-CD3 MoAb in autoimmune thyroid disease (AITD), 397
RICATTE, L. *see* CHAU, F.
RILEY, E.M., ROWE, P., ALLEN, S.J. & GREENWOOD, B.M. Soluble plasma IL-2 receptors and malaria, 495
ROCCA, A., KHAMLICHI, A.A., AUCOUTURIER, P., NOËL, L.-H., DENOROY, L., PREUD'HOMME, J.-L. & COGNÉ, M. Primary structure of a variable region of the $V_{\kappa I}$ subgroup (*ISE*) in light chain deposition disease, 506
ROUTSIAS, J.G., TZIOUFAS, A.G., SAKARELLOS-DAITSIOTIS, M., SAKARELLOS, C. & MOUTSOPOULOS, H.M. Calreticulin synthetic peptide analogues: anti-peptide antibodies in autoimmune rheumatic diseases, 437
ROWE, P. *see* RILEY, E.M.
RUDÉN, U. *see* SÄLLBERG, M.
RUSTIN, M.H.A. *see* BUCKLEY, C.

SA'ADU, A., THOMSON, B.J., BOUNTIFF, L. & WEBSTER, A.D.B. Lymphotropic viruses in 'common variable' immunodeficiency—PCR analysis of lymphocyte DNA for HIV-1 and HHV-6, 50
SAAH, A.J. *see* CHOPRA, R.K.
SACK, U. *see* HORNEFF, G.
SAEKI, T. *see* SATO, T.
SAITO, K., SHIMIZU, F., SATO, T. & OITE, T. Modulation of human mesangial cell behaviour by extracellular matrix components—the possible role of interstitial type III collagen, 510
SAITO, M. *see* OHSAKA, A.
SAKAMOTO, A. *see* KURASAWA, K.
SAKARELLOS, C. *see* ROUTSIAS, J.G.
SAKARELLOS-DAITSIOTIS, M. *see* ROUTSIAS, J.G.
SÄLLBERG, M., RUDÉN, U., WAHREN, B. & MAGNIUS, L.O. Antigenic regions within the hepatitis C virus envelope 1 and non-structural proteins: identification of an IgG3-restricted recognition site within the envelope 1 protein, 489
SÁNCHEZ, M.A. *see* CÁCERES-DITTMAR, G.
SATO, N.L. *see* SATO, T.
SATO, T., KAWACHI, H., MORIOKA, T., TAKASHIMA, N., SAEKI, T., OITE, T., SATO, N.L., TAKEUCHI, M. & SHIMIZU, F. Nephrotoxic serum nephritis in nude rats: the roles of host immune reactions in the accelerated type, 131
SATO, T. *see* SAITO, K.
SCALLY, J.P. *see* CHOPRA, R.K.
SCHAUFELBERGER, C., STEMME, S., ANDERSSON, R. & HANSSON, G.K. T lymphocytes in giant cell arteritic lesions are polyclonal cells expressing $\alpha\beta$ type antigen receptors and VLA-1 integrin receptors, 421
SCHLAG, G. *see* MOLLNES, T.E.
SCHMITT, W.H. *see* GROSS, W.L.
SCHORLEMMER, H.U. *see* NICOLETTI, F.
SCHRIEBER, L. *see* LEE, M.L.
SCHWINN, A. *see* BECKER, J.C.
SCOTT-ALGARA, D. *see* CAYOTA, A.
SELL, K.W. *see* POWELL, J.D.
SHAPIRO, S., PILAR, T. & GERSHON, H. Exposure to complement-bearing immune complexes enhances the *in vitro* sequestration of erythrocytes from young but not elderly donors, 301
SHATTOCK, R. *see* FRIEDLAND, J.S.
SHATTOCK, R.J. *see* FRIEDLAND, J.S.
SHEARER, M.H., BRIGHT, R.K., LANFORD, R.E. & KENNEDY, R.C. Immunization of mice with baculovirus-derived recombinant SV40 large tumour antigen induces protective tumour immunity to a lethal challenge with SV40-transformed cells, 266
SHIHO, O. *see* LEE, C.J.
SHIMIZU, F. *see* SAITO, K.
SHIMIZU, F. *see* SATO, T.
SHIMIZU, F. *see* TAKASHIMA, N.
SIEPER, J., BRAUN, J., WU, P. & KINGSLEY, G. T cells are responsible for the enhanced synovial cellular immune response to triggering antigen in reactive arthritis, 96
SILVERMAN, E.D., ISACOVICS, B., PETSCHE, D. & LAXER, R.M. Synovial fluid cells in juvenile arthritis: evidence of selective T cell migration to inflamed tissue, 90
SIMON, H.-U., HIGGINS, E.A., DEMETRIOU, M., DATTI, A., SIMINOVITCH, K.A. & DENNIS, J.W. Defective expression of CD23 and autocrine growth-stimulation in Epstein–Barr virus (EBV)-transformed B cells from patients with Wiskott–Aldrich syndrome (WAS), 43
SIMINOVITCH, K.A. *see* SIMON, H.-U.
SINET, M. *see* CHAU, F.
SIROTA, L. *see* BESSLER, H.
SONNERBORG, A. *see* AYEHUNIE, S.
SPEILBERG, L. *see* MOLLNES, T.E.
SPENCER, J. *see* DOĞAN, A.
SQUIRE, S.B. *see* BRAY, D.H.
STEFFEN, M., REINECKER, H.C., PETERSEN, J., DOEHN, C., PFLÜGER, I., VOSS, A. & RAEDLER, A. Differences in cytokine secretion by intestinal mononuclear cells, peripheral blood monocytes and alveolar macrophages from HIV-infected patients, 30
STEGEMAN, C.A., TERVAERT, J.W. COHEN, HUITEMA, M.G. & KALLEN-

BERG, C.G.M. Serum markers of T cell activation in relapses of Wegener's granulomatosis, 415
STEINMANN, J. *see* HAUSMANN, R.
STEMME, S. *see* SCHAUFELBERGER, C.
STEVENHAGEN, A. & VAN FURTH, R. Interferon-gamma activates the oxidative killing of *Candida albicans* by human granulocytes, 170
STRANNEGARD, O. *see* AYEHUNIE, S.
STRICKLAND, I. *see* FRIEDMANN, P.S.
SUMIDA, T. *see* KURASAWA, K.

TAGER, J.M. *see* LINDHOUT, E.
TAKAHASHI, T. *see* KITAMURA, A.
TAKAKU, F. *see* OHSAKA, A.
TAKASHIMA, N., KAWACHI, H., OITE, T., NISHI, S., ARAKAWA, M. & SHIMIZU, F. Effect of chlorpromazine on kinetics of injected monoclonal antibody in MoAb-induced glomerular injury, 135
TAKASHIMA, N. *see* SATO, T.
TAKEUCHI, M. *see* SATO, T.
TAMURA, K., WOO, J., MURASE, N., CARRIERI, G., NALESNIK, M.A. & THOMSON, A.W. Suppression of autoimmune thyroid disease by FK 506: influence on thyroid-infiltrating cells, adhesion molecule expression and anti-thyroglobulin antibody production, 368
TAN, Y.Y. *see* XU, H.R.
TAPIA, F.J. *see* CÁCERES-DITTMAR, G.
TERVAERT, J.W. COHEN *see* STEGEMAN, C.A.
THOMSON, A.W. *see* TAMURA, K.
THOMSON, B.J. *see* SA'ADU, A.
TO, S.S.T. *see* LEE, M.L.
TOMIOKA, H. *see* KURASAWA, K.
TOURAINE, J.L. *see* QUESNEL, A.
TREURNIET, R.A., BERGIJK, E.C., BAELDE, J.J., DE HEER, E., HOEDEMAEKER, PH.J. & BRUIJN, J.A. Gender-related influences on the development of chronic graft-*versus*-host disease-induced experimental lupus nephritis, 442
TREVANI, A.S. *see* GEFFNER, J.R.
TZIOUFAS, A.G. *see* ROUTSIAS, J.G.

UYEMURA, K. *see* CÁCERES-DITTMAR, G.

VAN FURTH, R. *see* STEVENHAGEN, A.
VILJANEN, M.E. *see* KARHUMÄKI, E.
VILLINGER, F. *see* POWELL, J.D.
VINJE, O. *see* KJELDSEN-KRAGH, J.
VOLPÉ, R. *see* RESETKOVA, E.
VOSS, A. *see* STEFFEN, M.
VUILLIER, F. *see* CAYOTA, A.

WAHI, P.L. *see* MORRIS, K.
WAHREN, B. *see* SÄLLBERG, M.
WALPORT, M.J. *see* BEYNON, H.L.C.
WANG, X.M. *see* XU, H.R.
WASUNNA, K.M.A. *see* COSTA, C.T.K.A. DA
WATSON, P.F. *see* MCINTOSH, R.S.
WATT, N.J. *see* LUJÁN, L.
WEBSTER, A.D.B. *see* SA'ADU, A.
WEETMAN, A.P. *see* MCINTOSH, R.S.
WEIMER, R., ZIPPERLE, S., DANIEL, V., ZIMMERMANN, R. & OPELZ, G. Defective IL-6 secretion in HIV-infected haemophilia patients, 249
WILLIAMS, N.S. *see* ALLEN, P.D.
WOO, J. *see* TAMURA, K.
WOO, P. *see* MACLEAN, I.L.
WU, P. *see* SIEPER, J.

XU, H.R., TAN, Y.Y., HSU, H.S., MONCURE, C.W. & WANG, X.M. Comparative antibody response to salmonella antigens in genetically resistant and susceptible mice, 73

YAMAMOTO, T., NAGASE, M., HISHIDA, A. & HONDA, N. Specific increases in urinary excretion of anti-DNA antibodies in lupus mice induced by lysozyme administration: further evidence for DNA-anti-DNA immune complexes in the pathogenesis of nephritis, 115
YAMAMURA, M. *see* CÁCERES-DITTMAR, G.
YAMASHITA, W., LIU, Y.J. & OOI, B.S. Induction of mouse monocyte Ia expression by a mesangial cell-derived product, 325
YANNI, G. *see* KEOGAN, M.T.
YEMANE-BERHAN, T. *see* AYEHUNIE, S.
YEUNG, C.Y. *see* LAU, Y.L.
YOSHIDA, S. *see* KURASAWA, K.
YOSHIKAWA, N. *see* RESETKOVA, E.
YOSHIMURA, N. *see* LEE, C.J.
YUO, A. *see* OHSAKA, A.

ZANIBONI, M.G. *see* MANTOVANI, V.
ZAVAZAVA, N. *see* HAUSMANN, R.
ZEWDIE, D.W. *see* AYEHUNIE, S.
ZIMMERMANN, R. *see* WEIMER, R.
ZIPPERLE, S. *see* WEIMER, R.

Subject Index

activation antigens, 202
acute agonists, 314
acute rejection, 362
adhesion molecules, 351, 368, 381, 532
adult respiratory distress syndrome, 456
aeroallergens, 357
ageing, 301
AIDS, 30, 473
alloreactivity, 183
alveolar macrophages, 13, 30
ankylosing spondylitis, 214
anti-CD3 MoAb, 397
anti-DNA antibodies, 449
anti-DNA antibody, 115
anti-L3T4 antibody, 376
anti-neutrophil cytoplasmic antibody, 1
anti-thyroglobulin antibody, 368
antibody, 73
antibody therapy, 207
antibody-secreting cells, 63
antigen presentation, 482
antigenic regions, 489
antineutrophil cytoplasmic antibodies, 415
antiretroviral therapy, 13
apoptosis, 330
ARF/RHD, 429
arteritis, 421
atopic dermatitis, 357
autoantibodies, 220
autoimmune diabetes, 232
autoimmune rheumatic diseases, 437
autoimmune thyroiditis, 368
autoimmunity, 1, 442

B cell, 43, 330
B cell deficiencies, 249
B cells, 103
baboon, 295
bacteria, 176
blood–gas interface, 404
bronchoalveolar lavage, 78, 272

C3, 410
C3 activation, 295
C5a, 295
CD14, 207
CD23, 43
CD4, 141, 207
CD4$^+$ lymphocytes, 237
CD45RA, 202
CD45RO, 202
CD69, 202
cDNA sequence, 506
calmodulin, 135
calreticulin, 437
Candida albicans, 170
cardiopulmonary bypass, 404
Cb gene, 83
cell adhesion, 421
cell phenotype, 272
cell-mediated immunity reaction, 131
cell-mediated immunity, 357
CEM, 141
Chinese, 337
chlorpromazine, 135, 456
chronic inflammatory bowel disease, 1
clonality, 421
coeliac disease, 153
common variable immunodeficiency, 50
complement, 301
complement activation, 295
connective tissue, 381
contact allergic sensitivity, 357
contact hypersensitivity, 351
cryoglobulin, 196
CTL inhibition, 183
cyclophosphamide, 232
cystic fibrosis, 462
cytokine, 282, 500
cytokines, 58, 207, 287, 314
cytoskeleton, 135
cytotoxicity, 164

dendritic cells, 482
dengue virus, 257
deoxyspergualin, 232
differentiation, 397
DNA, 110, 410
dominant clonality, 83

E-selectin, 532
East Africa, 37
ELISA, 25
ELISPOT, 63
endothelial cell, 110
endothelium, 314, 346
epitopes, 489
erythrocyte sequestration, 301
Escherichia coli, 295
Ethiopia, 37
extracellular matrix, 510

fibroblasts, 381
FK506, 232, 368
follicular dendritic cell, 330

$\gamma\delta$ T cells, 202
G-CSF, 308
gel culture, 510
genetics 73, 410
germinal centre, 330
glomeruli, 449
glomerulonephritis, 1
GM-CSF, 308
graft-*versus*-host disease, 442
granule proteins, 1
granulocytes, 170
Graves' disease, 147, 397
Graves' ophthalmopathy, 381

haemophilia, 249
Hashimoto's thyroiditis, 397
HCV, 489
heat shock protein, 58
HHV-6, 50
HIV, 25, 249, 473, 482
HIV-1, 18, 39, 50, 237
HIV-1 replication, 241
HLA, 153, 226
HLA and disease, 214
HLA-DR, 13, 381
human, 390
human mesangial cell, 510
human skin, 351

humoral immune reaction, 131
hydrogen peroxide, 170

Ia, 325
iC3 generation, 404
ICAM-1, 532
idiotype, 196
IFN-γ, 157
IgA antibodies, 237
IgG subclass, 54
IgG subclasses, 337
IL-1, 30, 157, 429, 521
IL-1 receptor antagonist, 526
IL-1β, 320
IL-2, 18, 88, 157, 397, 429, 495
IL-2 receptor, 18, 121
IL-2R, 429, 495
IL-3-LA, 320
IL-6, 30, 220, 521
IL-6 secretion, 249
immune complex, 115
immune complexes, 301, 314, 449, 462
immunoglobulin G subclasses, 25
immunoglobulin light chain, 506
immunoregulation, 390, 473
immunosuppression, 495
infection, 462
infiltrating cell, 362
insulin-dependent diabetes mellitus, 226
insulitis, 376
interferon-alpha, 37
interferon-gamma, 30, 170, 176, 232, 521
interstitial type III collagen, 510
intestine, 532
intracellular bacteria, 277
intracellular killing, 170, 277
irritancy, 351

juvenile rheumatoid arthritis, 202
juvenile/paediatrics, 90

kidney cell, 325
kidney fibroblasts, 516

L. monocytogenes, 277
Langerhans cells, 351
leishmaniasis, 500
lentivirus, 272
leucocyte common antigen, 202
leukotriene B4, 526
light chain deposition disease, 506
lipoarabinomannan, 25
lipopolysaccharide, 456, 526
local treatment, 362
low affinity IgE receptors, 357
lupus, 449
lupus nephritis, 115, 442
lymphocyte, 346
lymphocyte markers, 90
lymphocyte phenotypes, 429
lymphocyte subsets, 467
lymphocytes, 18, 141
lymphokine, 362, 516
lysozyme, 115

M. avium, 277
macrophage differentiation and activation, 176
macrophages, 220, 257, 277
maedi, 272
major histocompatibility complex, 214
malaria, 495
malariostatic effects, 287
matrix metabolism, 516
mesangial cell, 521

MoAb, 362
modified MTT method, 510
monoclonal antibody, 135
monoclonal gammopathy, 196
monocyte, 164, 282, 325
monocyte/macrophage, 526
monocytes, 58, 207
mouse typhoid, 73
mucosal immune system, 30
murine AIDS, 467
mycobacteria, 68
Mycobacterium tuberculosis, 282
myelodysplastic syndromes, 308
myeloma, 506

N-acetylcysteine, 456
naive and memory CD4 T cells, 241
neopterin, 37
nephritic factor, 410
nephrotoxic serum nephritis, 131
neutrophil, 164
neutrophils, 308
nitric oxide, 176, 277
NOD mouse, 376
NOD/WEHI mouse, 232
nude rats, 131

percentile ranges, 337
peripheral blood, 467
peripheral blood mononuclear cells, 320
permeability, 314
Peyer's patches, 532
Pf155/RESA, 63
pH, 164
phagocytosis, 54
phenotypic macrophage markers, 13
phytohaemagglutinin, 18
Plasmodium falciparum, 63, 287
pneumococcus, 54
polymerase, 237
polymerase chain reaction, 153, 500
polyreactive autoantibody, 196
preterm infants, 320
primary melanoma, 121
proliferation, 43, 397, 516
protective immunity, 68
proteinuria, 135
psoriasis, 346
pulmonary alveolar macrophage, 126

reactive arthritis, 96, 214
receptor, 257
recombinant tumour antigen, 266
regulation, 196
relapse, 415
renal fibrosis, 516
resistance, 73
respiratory syncytial virus, 78
rheumatoid arthritis, 83, 207
rheumatoid factor, 462
Ro/SSA, 103, 437

SCID mice, 390
self-tolerance, 376
sepsis, 295
serine esterase, 183
sex, 442
sheep, 272
SIV, 473
soluble class I, 183
soluble IL-2 receptor, 415
specific binding, 257
superoxide release, 308
suppressor cytokine, 257

suramin, 141
synovial fluid, 96
synovial fluid cells, 90
synthetic peptides, 63, 437, 489
systemic lupus erythematosus, 220, 442

T cell activation, 183, 415
T cell antigen receptor, 421
T cell frequency, 96
T cell receptor, 83, 147, 226
T cell subsets, 390
T cells, 103, 368
T lymphocyte, 421
T lymphocytes, 78, 500
terminal complement complex, 295
thyroid autoantibody, 390
tonsils, 157
Toxoplasma, 282
tuberculosis, 25, 68
tumour necrosis factor, 30, 176, 456
tumour necrosis factor-alpha, 37
tumour vaccine, 266
tumour-infiltrating lymphocytes, 121
type I diabetes, 376

V gene polymorphisms, 226
vasculitis, 1
VCAM-1, 532
virus induced tumours, 266
virus suppression, 473

wasting syndrome, 37
Wegener's granulomatosis, 415